

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054785 A1

(51) International Patent Classification⁷: **G01D 5/14**

(21) International Application Number:
PCT/EP2004/009238

(22) International Filing Date: 18 August 2004 (18.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0314116 2 December 2003 (02.12.2003) FR

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

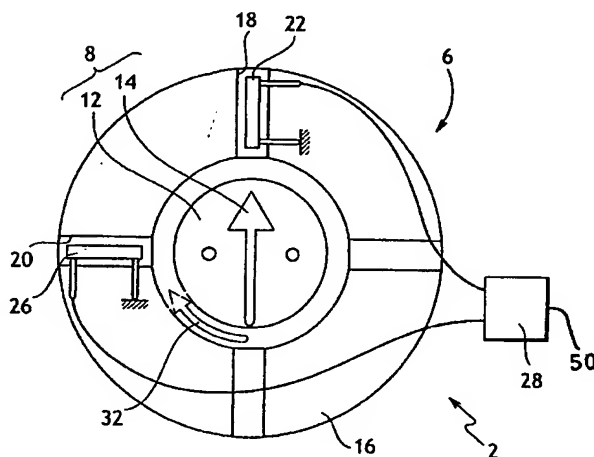
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **DEVICE FOR DETERMINING THE ANGULAR POSITION AND ROTATION SPEED OF A ROTARY MEMBER**



(57) Abstract: The invention relates to a device (1) for determining the angular position and rotation speed of a rotary member. The inventive device comprises a sensor (2) consisting of a fixed part and a rotary part which is linked to the rotary member. According to the invention, the aforementioned rotary part bears a magnetic flux generator, while the fixed part comprises: a first probe (22) which generates an electric signal (V_{22}) having two different levels as a function of the angular position of the rotary member; and a second probe (26) which is angularly offset in relation to the first probe (22) and which generates an electric signal (V_f) as a one-way function of the angular position of the rotary member for each segment of revolution corresponding to a level of the electric signal generated by the first probe. The invention also comprises analysis means (4) consisting of: means (36, 38, 46) for unequivocally defining the angular position of the rotary member, and means (36, 40, 42, 44) for calculating the rotation speed of said rotary member.

ABSTRACT OF THE DISCLOSURE

The invention relates to a device (1) for determining the angular position and rotation speed of a rotary member. The inventive device comprises a sensor (2) consisting of a fixed part and a rotary part which is linked to the rotary member. According to the invention, the aforementioned rotary part bears a magnetic flux generator, while the fixed part comprises: a first probe (22) which generates an electric signal (V_{22}) having two different levels as a function of the angular position of the rotary member; and a second probe (26) which is angularly offset in relation to the first probe (22) and which generates an electric signal (V_f) as a one-way function of the angular position of the rotary member for each segment of revolution corresponding to a level of the electric signal generated by the first probe. The invention also comprises analysis means (4) consisting of: means (36, 38, 46) for unequivocally defining the angular position of the rotary member, and means (36, 40, 42, 44) for calculating the rotation speed of said rotary member.